Why Best Practices Suck

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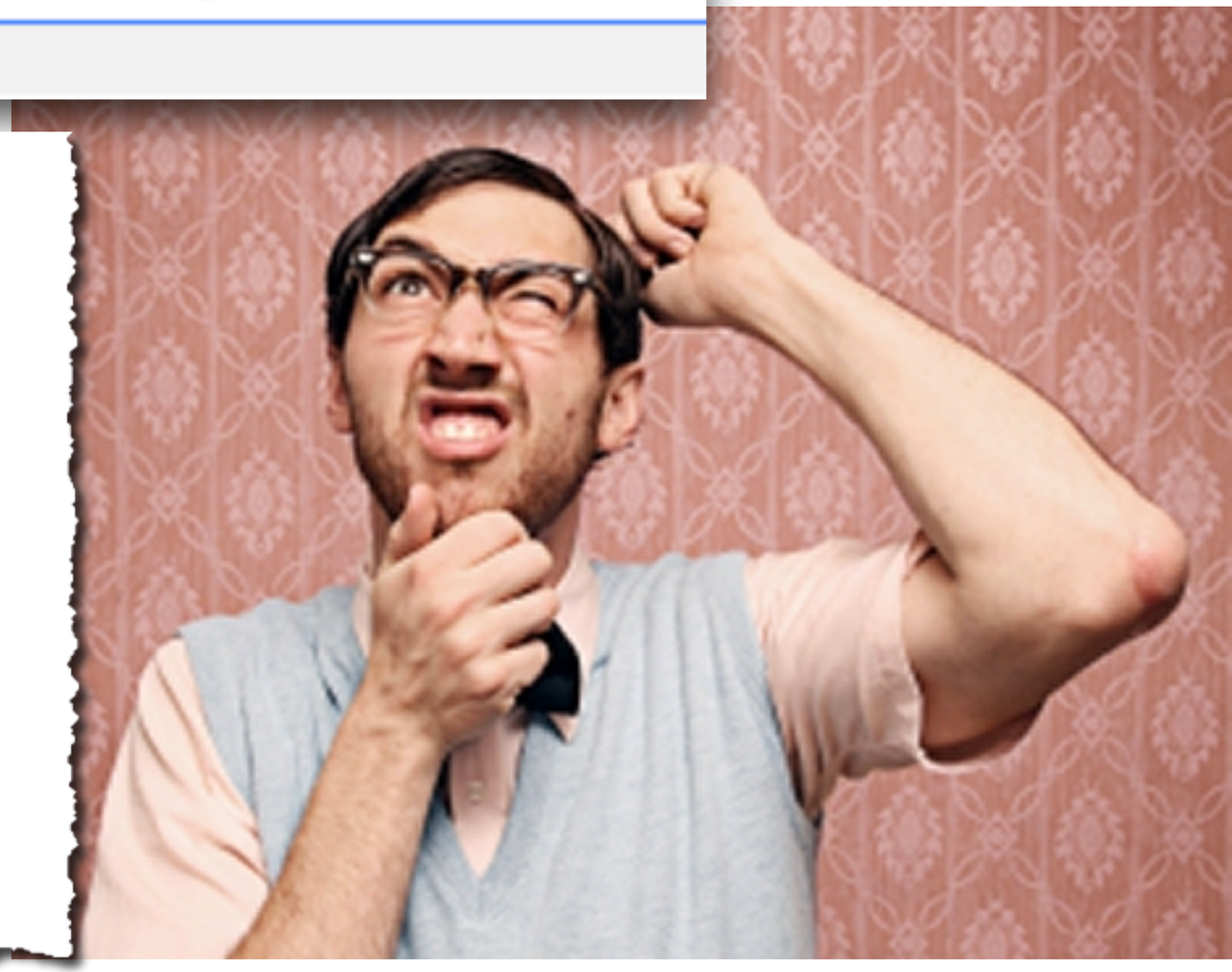
Google

obiee performance best practices

Hi,

Steps to improve the performance.

1. implement caching mechanism
5. turn off logging
8. use database hints
9. alter the NQSONFIG.ini parameters



Diversion

Good Best Practices?

When taken from a

position of knowledge and understanding

best practices can be useful to

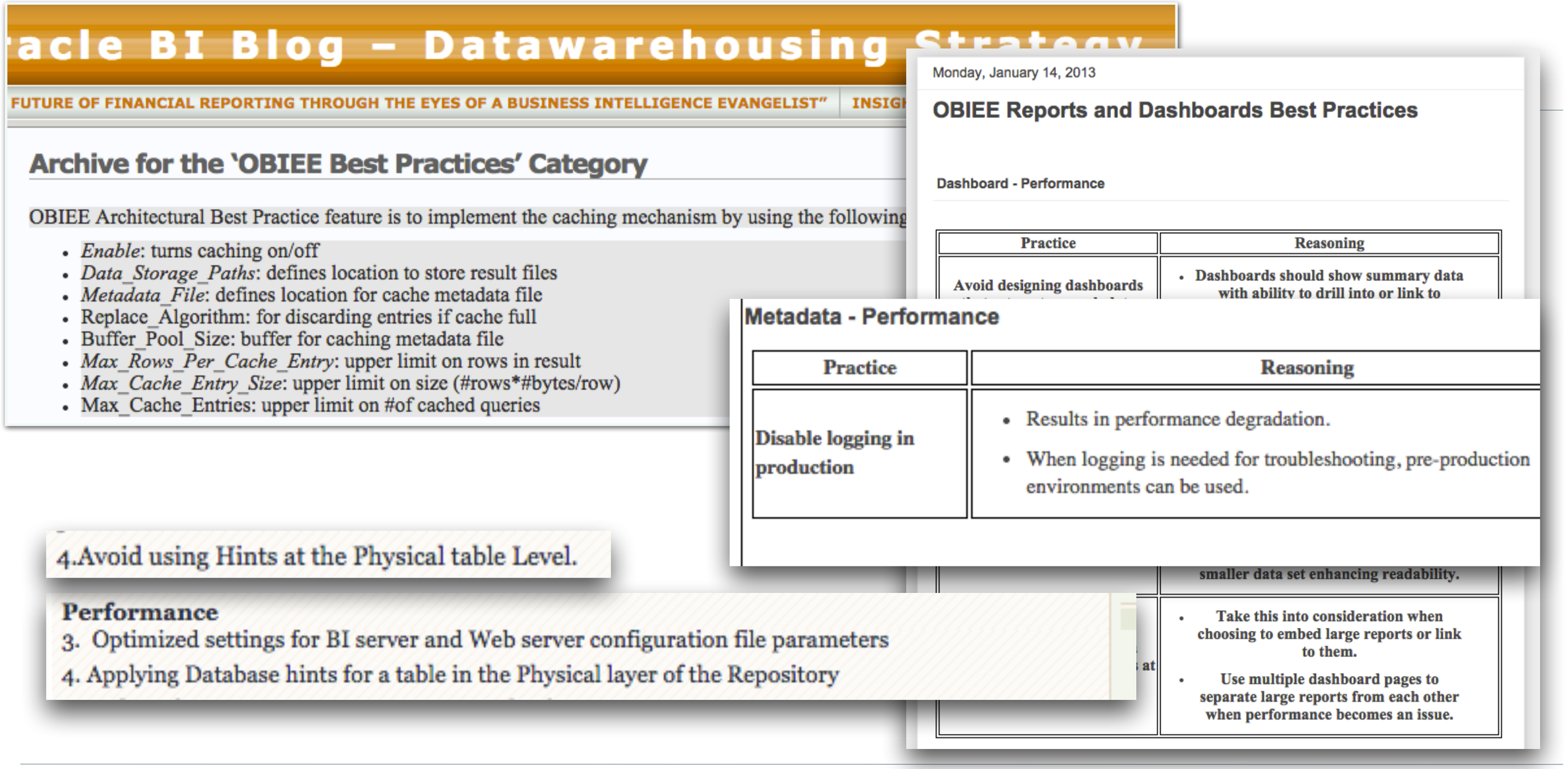
codify existing knowledge

Bad Best Practices!

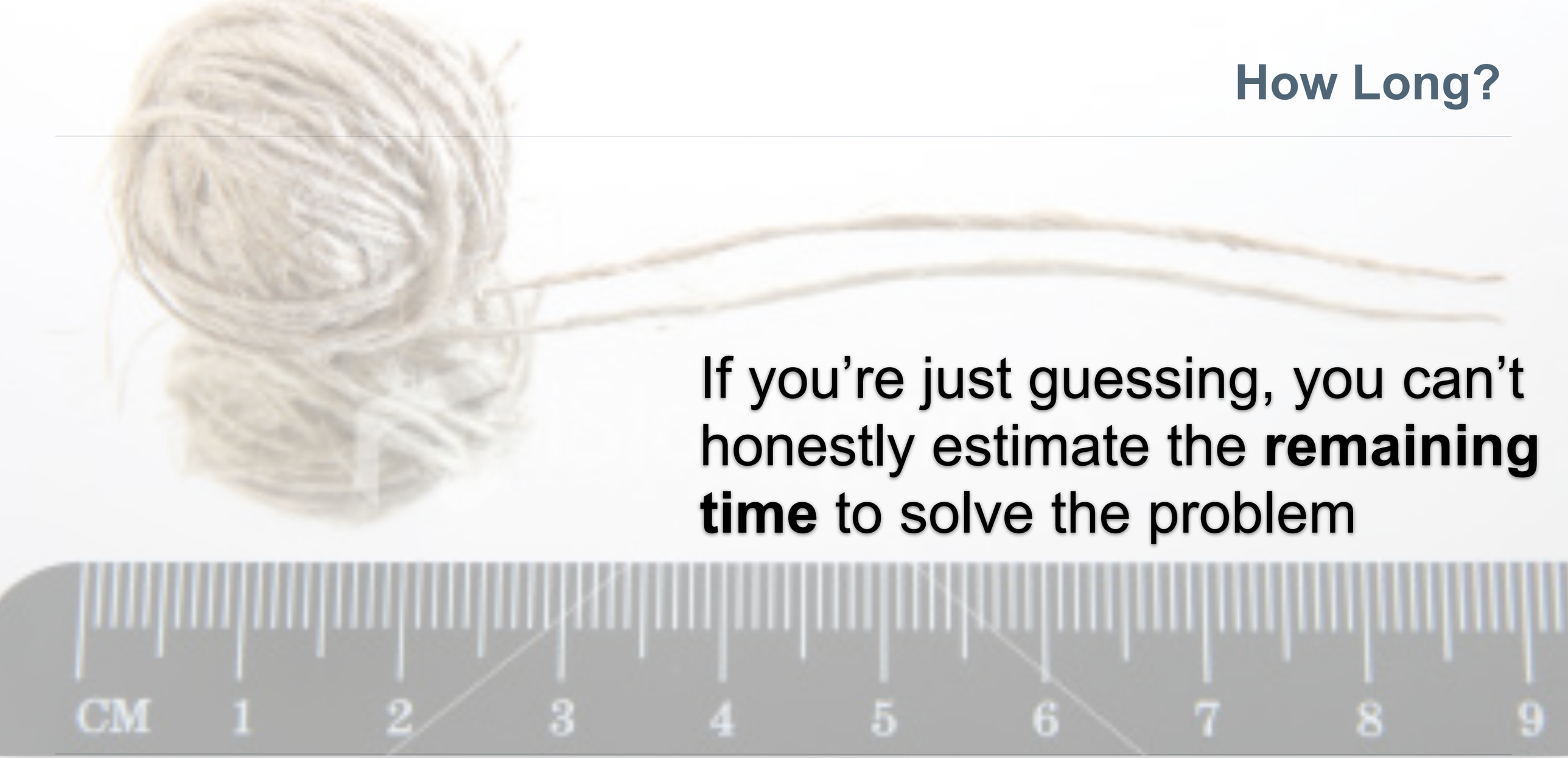
- Silver Bullets
- “Laundry Lists” of settings to change
- Random Jiggling
- Absolutes without context

> ***[…]* “I will jiggle things randomly until they unbreak” *is not acceptable.***
> *— Linus Torvalds, April 2011*

Guesswork Is Risky

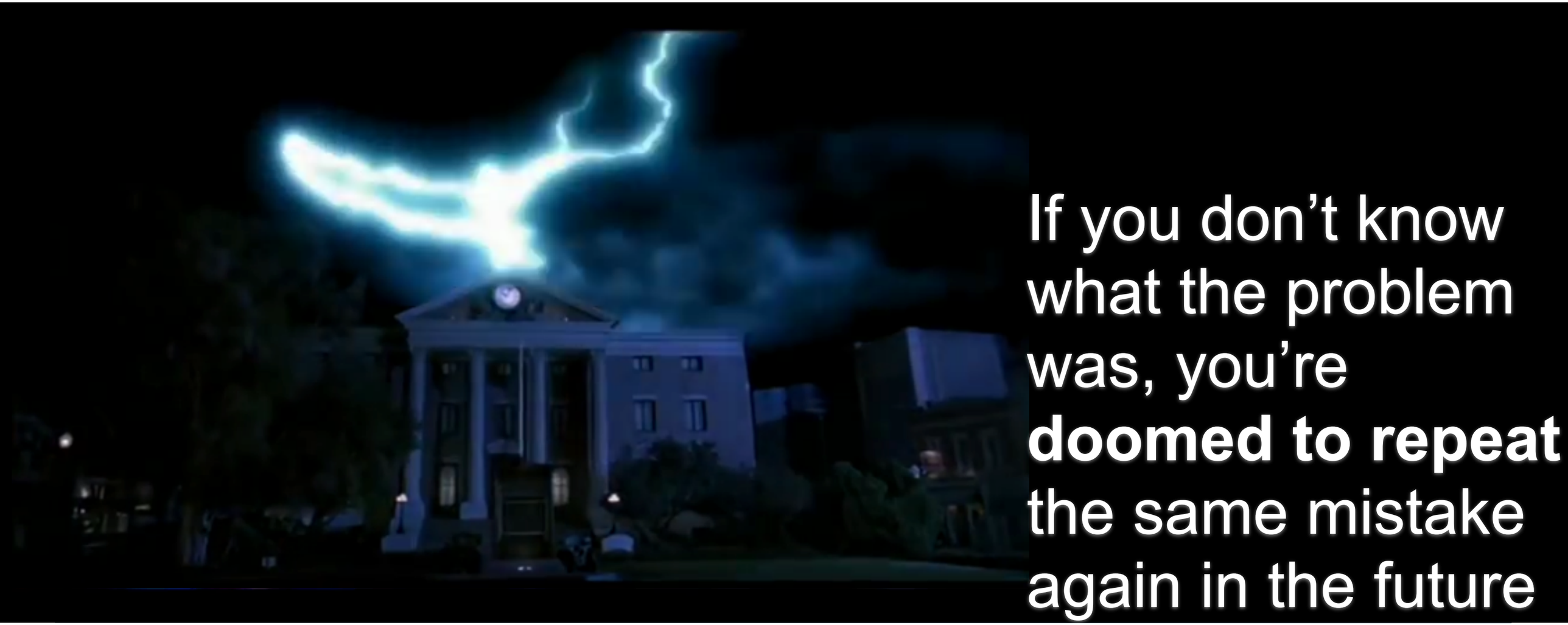

acle BI Blog – Datawarehousing Strategy
FUTURE OF FINANCIAL REPORTING THROUGH THE EYES OF A BUSINESS INTELLIGENCE EVANGELIST"
Archive for the 'OBIEE Best Practices' Category
OBIEE Architectural Best Practice feature is to implement the caching mechanism by using the following
Enable: turns caching on/off
Data_Storage_Paths: defines location to store result files
Metadata_File: defines location for cache metadata file
Replace_Algorithm: for discarding entries if cache full
Buffer_Pool_Size: buffer for caching metadata file
Max_Rows_Per_Cache_Entry: upper limit on rows in result
Max_Cache_Entry_Size: upper limit on size (#rows*#bytes/row)
Max_Cache_Entries: upper limit on #of cached queries
Monday, January 14, 2013
OBIEE Reports and Dashboards Best Practices
Dashboard - Performance
Practice
Reasoning
Avoid designing dashboards
Dashboards should show summary data with ability to drill into or link to
Metadata - Performance
Practice
Reasoning
Disable logging in production
Results in performance degradation.
When logging is needed for troubleshooting, pre-production environments can be used.
smaller data set enhancing readability.
Take this into consideration when choosing to embed large reports or link to them.
Use multiple dashboard pages to separate large reports from each other when performance becomes an issue.
4.Avoid using Hints at the Physical table Level.
Performance
3. Optimized settings for BI server and Web server configuration file parameters
4. Applying Database hints for a table in the Physical layer of the Repository

How Long?



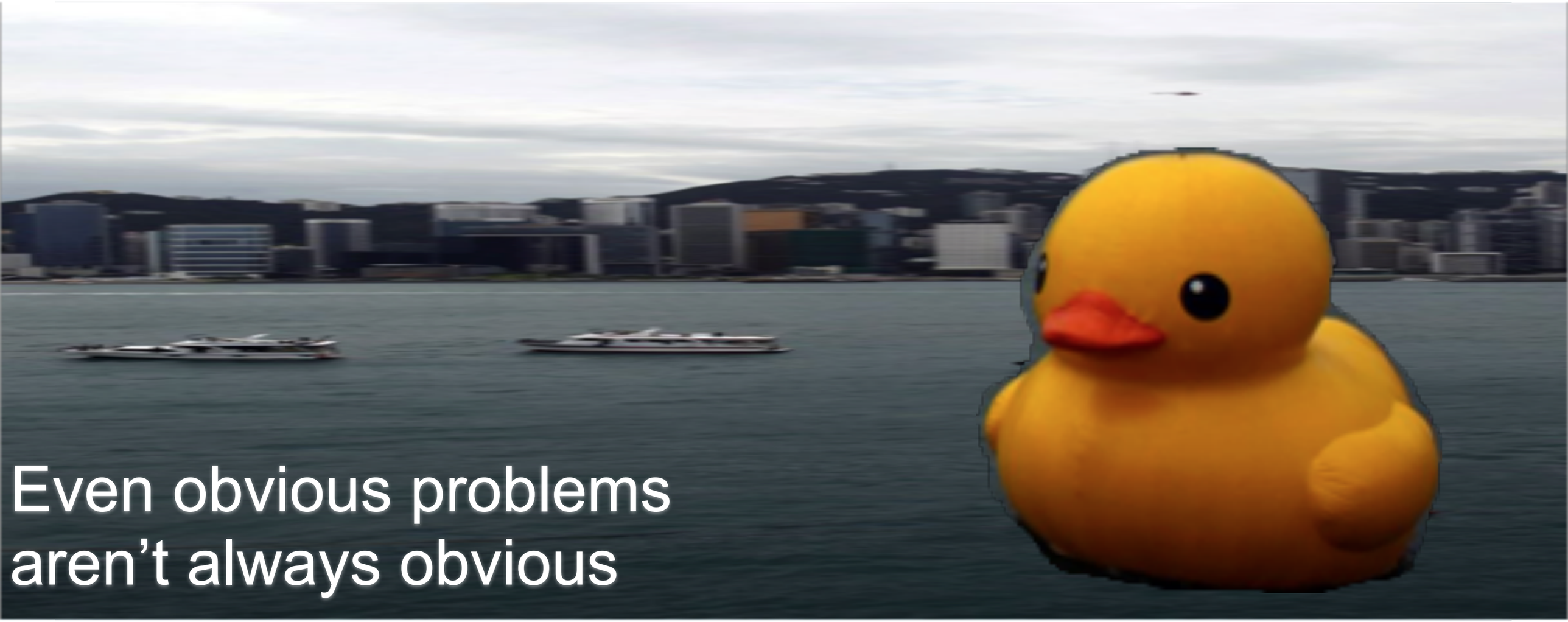
If you're just guessing, you can't honestly estimate the **remaining time** to solve the problem

Déjà vu?



If you don’t know what the problem was, you’re **doomed to repeat** the same mistake again in the future

If It Looks Like a Duck …



Create Aliases for all tables

- Create Aliases for all tables and prefix the text that reflects th Fact_Agg.

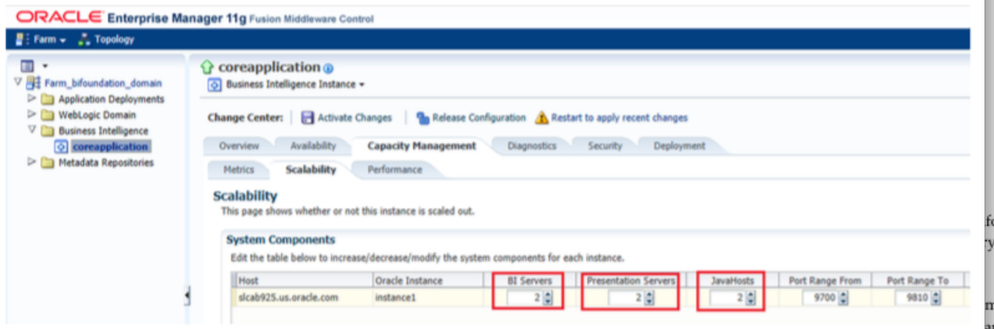
Tuning of OBI Server session and threads

- NQSConfig.INI parameters to be tuned:

```
[SERVER]
MAX_SESSION_LIMIT = 2000;
#Above parameters specifies the number of sessions t
#even if inactive. The sessions and the correspond
#threads for processing as they become available. Ty
#specified by MAX_SESSION_LIMIT is higher than
#specified by SERVER_THREAD_RANGE. Set the M
#that reflects the maximum number of users per no
#timed-out.
SERVER_THREAD_RANGE = 50-520;
#Above parameter specifies the number of threads that process the logical queries—
#the number of queries that can be active in the BI Server at any time. When the
```

4.5 Vertically Scale Presentation Services / JavaHost / BIServer Components

You can use the below Scalability tab of the Capacity Management page in *Fusion Middleware Control* to scale in the Presentation Services process to two per server, Javahost process to two per server and two BI Server process per server:



Caution: Use the above suggested settings as a starting point, and then, after careful performance testing, adjust as needed.

Best Practices Guide for Infrastructure Tuning
Oracle® Business Intelligence Enterprise Edition
11g Release 1 (11.1.1.6, 11.1.1.7)

An Oracle® White Paper
January 2014

formation stated in this guide is for orientation only. Tuning is an iterative
y modification has to be tested and its impact should be monitored and

menting any of the tuning settings, it is recommended to carry out end to
ance testing that will also include to obtain baseline performance data for
onfigurations, make incremental changes to the tuning settings and then
mance data. Otherwise it may worsen the system performance.

ORACLE

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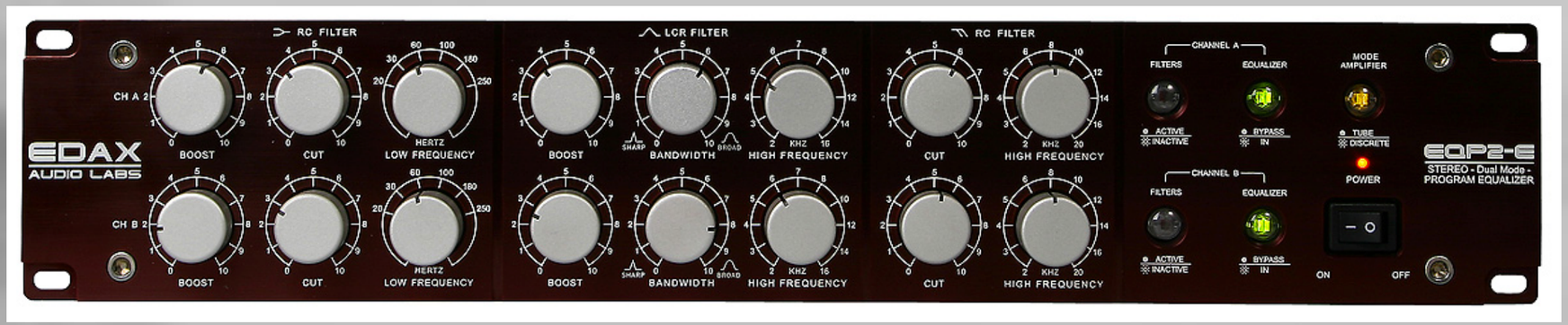
rittmanmead INTEGRATED ANALYTICS

Knob Twiddler?

Do You Want to be the Monkey or the Organ Grinder?



The only “best practice” you should be using all the time is “**Use Your Brain**”.

— Steven Robbins / Tom Kyte

#EOF

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